



IFWO

RAW SEQUENCE LISTING

DATE: 08/26/2004

PATENT APPLICATION: US/10/751,346

TIME: 11:56:15

Input Set : A:\41426-FA-PCT-US - 8.19.04.txt

Output Set: N:\CRF4\08262004\J751346.raw

3 <110> APPLICANT: Israeli, Ron S.
 4 Heston, Warren D.W.
 5 Fair, William R.
 7 <120> TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
 9 <130> FILE REFERENCE: 1769/41426-FA-PCT-US
 11 <140> CURRENT APPLICATION NUMBER: 10/751,346
 C--> 12 <141> CURRENT FILING DATE: 2004-01-02
 14 <160> NUMBER OF SEQ ID NOS: 128
 16 <170> SOFTWARE: PatentIn version 3.1
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 2653
 20 <212> TYPE: DNA
 21 <213> ORGANISM: HOMO SAPIENS
 23 <400> SEQUENCE: 1
 24 ctcaaaagg ggcggatttc cttctcctgg aggcagatgt tgcctctctc tctcgctcgg 60
 26 attggttcag tgcactctag aaacactgct gtggtggaga aactggaccc caggtctgga 120
 28 gcgaattcca gcctgcagg ctgataagcg aggcattagt gagattgaga gagactttac 180
 30 cccgcctggt tgggttgagg gcgcgcagta gagcagcagc acaggcgagg gtcccgggag 240
 32 gccggctctg ctgcgcgcca gatgtggaat ctctctcacg aaaccgactc ggctgtggcc 300
 34 accgcgcgcc gccgcgctg gctgtgcgct ggggcgctgg tgcgtggcgg tggtctcttt 360
 36 ctctcctggc tctctctcgg gtggtttata aaatcctcca atgaagctac taacattact 420
 38 ccaaagcata atatgaaagc atttttggat gaattgaaag ctgagaacat caagaagttc 480
 40 ttatataatt ttacacagat accacattta gcaggaacag aacaaaactt tcagcttgca 540
 42 aagcaaattc aatcccagtg gaaagaattt ggcttgatt ctggtgagct agcacattat 600
 44 gatgtcctgt tgtcctaccc aaataagact catcccaact acatctcaat aattaatgaa 660
 46 gatggaaatg agattttcaa cacatcatta ttgaaccac ctctccagg atatgaaaat 720
 48 gtttcggata ttgtaccacc ttctcagtgt ttctctctc aaggaatgcc agaggcgcat 780
 50 ctagtgtatg ttaactatgc acgaactgaa gacttcttta aattggaacg ggacatgaaa 840
 52 atcaattgct ctgggaaaaat tgtaattgcc agatatggga aagttttcag aggaaataag 900
 54 gttaaaaatg cccagctggc aggggccaaa ggagtcattc tctactccga cctgctgac 960
 56 tactttgtct ctgggggtgaa gtccatacca gatggttgga atcttctcgg aggtggtgtc 1020
 58 cagcgtggaa atatcctaaa tctgaatggt gcaggagacc ctctcacacc aggttaccga 1080
 60 gcaaatgaat atgcttatag gcgtggaatt gcagaggctg ttggtcttcc aagtattcct 1140
 62 gttcatccaa ttggatacta tgatgcacag aagctcctag aaaaaatggg tggctcagca 1200
 64 ccaccagata gcagctggag aggaagtctc aaagtgcctt acaatgttgg acctggcttt 1260
 66 actggaaact tttctacaca aaaagtcaag atgcacatcc actctaccaa tgaagtgaca 1320
 68 agaatttaca atgtgatagg tactctcaga ggagcagtg aaccagacag atatgtcatt 1380
 70 ctgggaggtc accgggactc atgggtgttt ggtggtattg accctcagag tggagcagct 1440
 72 gttgttcatg aaattgtgag gagcttttga acactgaaaa aggaagggtg gagacctaga 1500
 74 agaacaattt tgtttgcaag ctgggatgca gaagaatttg gtcttcttgg ttctactgag 1560
 76 tgggcagagg agaattcaag actccttcaa gacgctggcg tggtttatat taatgctgac 1620
 78 tcatctatag aaggaaacta cactctgaga gttgattgta caccgctgat gtacagcttg 1680
 80 gtacacaacc taacaaaaga gctgaaaagc cctgatgaag gctttgaagg caaatctctt 1740

(ps.6)
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82 tatgaaagtt ggactaaaaa aagtccttcc ccagagttca gtggcatgcc caggataagc 1800
84 aaattgggat ctggaaatga ttttgaggtg ttcttccaac gacttggat tgcttcaggc 1860
86 agagcacggt atactaaaaa ttgggaaaca aacaaattca gcggtatcc actgtatcac 1920
88 agtgtctatg aaacatatga gttggtggaa aagttttatg atccaatggt taaatatcac 1980
90 ctcactgtgg cccaggttcg aggagggatg gtgtttgagc tagccaattc catagtgtc 2040
92 ccttttgatt gtcgagatta tgctgtagtt ttaagaaagt atgctgacaa aatctacagt 2100
94 atttctatga aacatccaca ggaaatgaag acatacagtg tatcatttga ttcacttttt 2160
96 tctgcagtaa agaattttac agaaattgct tccaagtcca gtgagagact ccaggacttt 2220
98 gacaaaagca acccaatagt attaagaatg atgaatgatc aactcatggt tctggaaaga 2280
100 gcattttattg atccattagg gttaccagac aggccttttt ataggcatgt catctatgct 2340
102 ccaagcagcc acaacaagta tgcaggggag tcattcccag gaatttatga tgcctctgttt 2400
104 gatattgaaa gcaaagtgga cccttccaag gcctggggag aagtgaagag acagatttat 2460
106 gttgcagcct tcacagtgcg ggcagctgca gagactttga gtgaagtagc ctaagaggat 2520
108 tcttttagaga atccgtattg aatttggtgtg gtatgtcact cagaaagaat cgtaatgggt 2580
110 atattgataa attttaaaat tggatatatt gaaataaagt tgaatattat atataaaaaa 2640
112 aaaaaaaaaa aaa 2653

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115 <210> SEQ ID NO: 2

116 <211> LENGTH: 8

117 <212> TYPE: PRT

118 <213> ORGANISM: HOMO SAPIENS

120 <220> FEATURE:

121 <221> NAME/KEY: MISC_FEATURE

122 <222> LOCATION: (6)..(6)

123 <223> OTHER INFORMATION: Xaa equals any amino acid

126 <400> SEQUENCE: 2

W--> 128 Ser Leu Tyr Glu Ser Xaa Thr Lys

129 1 5

132 <210> SEQ ID NO: 3

133 <211> LENGTH: 15

134 <212> TYPE: PRT

135 <213> ORGANISM: HOMO SAPIENS

137 <220> FEATURE:

138 <221> NAME/KEY: MISC_FEATURE

139 <222> LOCATION: (1)..(1)

140 <223> OTHER INFORMATION: Xaa = any amino acid

143 <220> FEATURE:

144 <221> NAME/KEY: MISC_FEATURE

145 <222> LOCATION: (6)..(6)

146 <223> OTHER INFORMATION: Xaa = any amino acid

149 <220> FEATURE:

150 <221> NAME/KEY: MISC_FEATURE

151 <222> LOCATION: (12)..(12)

152 <223> OTHER INFORMATION: Xaa = any amino acid

155 <400> SEQUENCE: 3

W--> 157 Xaa Tyr Pro Asp Gly Xaa Asn Leu Pro Gly Gly Xaa Val Gln Arg

158 1 5 10 15

161 <210> SEQ ID NO: 4

162 <211> LENGTH: 7

163 <212> TYPE: PRT

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164 <213> ORGANISM: HOMO SAPIENS
166 <400> SEQUENCE: 4
168 Phe Tyr Asp Pro Met Phe Lys
169 1 5
172 <210> SEQ ID NO: 5
173 <211> LENGTH: 9
174 <212> TYPE: PRT
175 <213> ORGANISM: HOMO SAPIENS
177 <400> SEQUENCE: 5
179 Ile Tyr Asn Val Ile Gly Thr Leu Lys
180 1 5
183 <210> SEQ ID NO: 6
184 <211> LENGTH: 22
185 <212> TYPE: PRT
186 <213> ORGANISM: HOMO SAPIENS
188 <220> FEATURE:
189 <221> NAME/KEY: MISC_FEATURE
190 <222> LOCATION: (4)..(5)
191 <223> OTHER INFORMATION: Xaa = any amino acid
194 <400> SEQUENCE: 6
W--> 196 Phe Leu Tyr Xaa Xaa Thr Gln Ile Pro His Leu Ala Gly Thr Glu Gln
197 1 5 10 15
200 Asn Phe Gln Leu Ala Lys
201 20
204 <210> SEQ ID NO: 7
205 <211> LENGTH: 17
206 <212> TYPE: PRT
207 <213> ORGANISM: HOMO SAPIENS
209 <400> SEQUENCE: 7
211 Gly Val Ile Leu Tyr Ser Asp Pro Ala Asp Tyr Phe Ala Pro Asp Val
212 1 5 10 15
215 Lys
219 <210> SEQ ID NO: 8
220 <211> LENGTH: 17
221 <212> TYPE: PRT
222 <213> ORGANISM: HOMO SAPIENS
224 <400> SEQUENCE: 8
226 Pro Val Ile Leu Tyr Ser Asp Pro Ala Asp Tyr Phe Ala Pro Gly Val
227 1 5 10 15
230 Lys
234 <210> SEQ ID NO: 9
235 <211> LENGTH: 15
236 <212> TYPE: PRT
237 <213> ORGANISM: HOMO SAPIENS
239 <400> SEQUENCE: 9
241 Ala Phe Ile Asp Pro Leu Gly Leu Pro Asp Arg Pro Phe Tyr Arg
242 1 5 10 15
245 <210> SEQ ID NO: 10
246 <211> LENGTH: 19

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Input Set : A:\41426-FA-PCT-US - 8.19.04.txt

Output Set: N:\CRF4\08262004\J751346.raw

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247 <212> TYPE: PRT
248 <213> ORGANISM: HOMO SAPIENS
250 <400> SEQUENCE: 10
252 Tyr Ala Gly Glu Ser Phe Pro Gly Ile Tyr Asp Ala Leu Phe Asp Ile
253 1          5          10          15
256 Glu Ser Lys
260 <210> SEQ ID NO: 11
261 <211> LENGTH: 22
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <220> FEATURE:
266 <221> NAME/KEY: MISC_FEATURE
267 <222> LOCATION: (7)..(7)
268 <223> OTHER INFORMATION: Xaa = any amino acid
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (14)..(16)
274 <223> OTHER INFORMATION: Xaa = any amino acid
277 <400> SEQUENCE: 11
W--> 279 Thr Ile Leu Phe Ala Ser Xaa Asp Ala Glu Glu Phe Gly Xaa Xaa Xaa
280 1          5          10          15
283 Ser Thr Glu Glu Ala Glu
284          20
287 <210> SEQ ID NO: 12
288 <211> LENGTH: 17
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <220> FEATURE:
293 <221> NAME/KEY: misc_feature
294 <222> LOCATION: (12)..(12)
295 <223> OTHER INFORMATION: n = any nucleotide
298 <400> SEQUENCE: 12
W--> 299 ttytaygayc cnatgtt 17
302 <210> SEQ ID NO: 13
303 <211> LENGTH: 17
304 <212> TYPE: DNA
305 <213> ORGANISM: Homo sapiens
307 <220> FEATURE:
308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (6)..(6)
310 <223> OTHER INFORMATION: n=any nucleotide
313 <400> SEQUENCE: 13
W--> 314 aacatnggrt crtaraa 17
317 <210> SEQ ID NO: 14
318 <211> LENGTH: 17
319 <212> TYPE: DNA
320 <213> ORGANISM: Homo sapiens
322 <220> FEATURE:
323 <221> NAME/KEY: misc_feature

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Output Set: N:\CRF4\08262004\J751346.raw

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324 <222> LOCATION: (12)..(12)
325 <223> OTHER INFORMATION: n=any nucleotide
328 <400> SEQUENCE: 14
W--> 329 athtayaayg tnathgg 17
332 <210> SEQ ID NO: 15
333 <211> LENGTH: 17
334 <212> TYPE: DNA
335 <213> ORGANISM: Homo sapiens
337 <220> FEATURE:
338 <221> NAME/KEY: misc_feature
339 <222> LOCATION: (6)..(6)
340 <223> OTHER INFORMATION: n=any nucleotide
343 <400> SEQUENCE: 15
W--> 344 ccdatnacrt trtadat 17
347 <210> SEQ ID NO: 16
348 <211> LENGTH: 17
349 <212> TYPE: DNA
350 <213> ORGANISM: Homo sapiens
352 <220> FEATURE:
353 <221> NAME/KEY: misc_feature
354 <222> LOCATION: (3)..(3)
355 <223> OTHER INFORMATION: n=any nucleotide
358 <220> FEATURE:
359 <221> NAME/KEY: misc_feature
360 <222> LOCATION: (6)..(6)
361 <223> OTHER INFORMATION: n=any nucleotide
364 <400> SEQUENCE: 16
W--> 365 ccngcngayt ayttygc 17
368 <210> SEQ ID NO: 17
369 <211> LENGTH: 17
370 <212> TYPE: DNA
371 <213> ORGANISM: Homo sapiens
373 <220> FEATURE:
374 <221> NAME/KEY: misc_feature
375 <222> LOCATION: (12)..(12)
376 <223> OTHER INFORMATION: n=any nucleotide
379 <220> FEATURE:
380 <221> NAME/KEY: misc_feature
381 <222> LOCATION: (15)..(15)
382 <223> OTHER INFORMATION: n=any nucleotide
385 <400> SEQUENCE: 17
W--> 386 gcraartart cngcngg 17
389 <210> SEQ ID NO: 18
390 <211> LENGTH: 20
391 <212> TYPE: DNA
392 <213> ORGANISM: Homo sapiens
394 <220> FEATURE:
395 <221> NAME/KEY: misc_feature
396 <222> LOCATION: (3)..(3)

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

eq#:2; Xaa Pos. 6 ✓
eq#:3; Xaa Pos. 1,6,12 ✓
eq#:6; Xaa Pos. 4,5 ✓
eq#:11; Xaa Pos. 7,14,15,16 ✓
eq#:12; N Pos. 12 ✓
eq#:13; N Pos. 6 ✓
eq#:14; N Pos. 12 ✓
eq#:15; N Pos. 6 ✓
eq#:16; N Pos. 3,6 ✓
eq#:17; N Pos. 12,18 ✓
eq#:18; N Pos. 3 ✓
eq#:19; N Pos. 18
eq#:22; N Pos. 9
eq#:23; N Pos. 12
eq#:24; N Pos. 9
eq#:25; N Pos. 9
eq#:26; N Pos. 82,83,84,193,196,197,217,218,219,232,233,237,238,253,254
eq#:26; N Pos. 255,256,263,600,601,721,722,723,724
eq#:27; N Pos. 224,255,412,413,414,433,520,521,536,537,538,539,540,541,542
eq#:27; N Pos. 543
eq#:28; N Pos. 214,377
eq#:105; N Pos. 20
eq#:110; N Pos. 537,538,539,540,541,542,543,544,545,546,547,548,549,550
eq#:110; N Pos. 606,607,675,676,683,687,731
eq#:111; N Pos. 634,635,636,637,638,639,640,641,642,643,644,645,646,647
eq#:111; N Pos. 648,649,650,950,951,952,953,954,955,956,957,958,959,960
eq#:111; N Pos. 961,1045,1102
eq#:112; N Pos. 314,315,316,317,318,319,452
eq#:114; N Pos. 582,583,641,674,679,680,694,790,791
eq#:116; N Pos. 272,273,274,275,276,277,278,545,546,547,548,549,550,935
eq#:116; N Pos. 936,937,938,939,940,941,942,943,944,945,946,947,948,949
eq#:116; N Pos. 950,1034,1035,1036
eq#:121; N Pos. 634,635,636,637,638,639,640,641,642,643,644,645,646,647
eq#:121; N Pos. 648,649,650,950,951,952,953,954,955,956,957,958,959,960
eq#:121; N Pos. 961,1045,1103,1362,1363,1364,1365,1366,1367,1368,1369,1533
eq#:121; N Pos. 1534,1543,1616,1617,1783
eq#:122; N Pos. 314,315,316,317,318,319,452,1037,1038
eq#:123; N Pos. 380,381,382,383,384,385,386,387,675,676,677,678,679,680
eq#:123; N Pos. 720,974,977,981,1090,1166,1167,1168,1169,1170,1171,1210
eq#:125; N Pos. 504
eq#:126; N Pos. 262,263,264,265,266,267,268,545,546,547,548,549,550,900
eq#:126; N Pos. 901,902,903,904,905,906,907,917,955,1009
eq#:127; N Pos. 840,841,842,843,1096,1097,1098,1099,1100,1101,1294,1295
eq#:127; N Pos. 1338,1339,1340,1341,1342,1343,1965,1966

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Input Set : A:\41426-FA-PCT-US - 8.19.04.txt

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0

L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0

L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0

L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0

L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0

L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0

L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0

L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0

L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0

L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0

L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0

L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0

L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0

L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0

L:565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:60

L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:180

L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:240

L:581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:540

L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:600

L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:720

L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:180

L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:240

L:644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:360

L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:420

L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:480

L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:540

L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180

L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:360

L:1404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:0

L:1601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:480

L:1603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:540

L:1605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:600

L:1607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:660

L:1609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:720

L:1662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:600

L:1672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:900

L:1674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:960

L:1676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:1020

L:1678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:1080

L:1715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:300

L:1719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:420

L:1815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:540

L:1817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:600

L:1819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:660

L:1823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:780

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Input Set : A:\41426-FA-PCT-US - 8.19.04.txt

Output Set : N:\CRF4\08262004\J751346.raw

:1903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:240
:1913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:540
:1925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:900
:1929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:1020
:2338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:600
:2348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:900
:2350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:960
:2352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:1020
:2354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:1080
:2362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:1320
:2368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:1500
:2370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:1560
:2376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:1740
:2417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:300
:2421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:420
:2441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:1020
:2524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:360
:2534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:660
:2544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:960
:2548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:1080
:2550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:1140
:2552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:1200
:2618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:480
:2681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:240
:2691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:540
:2701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:840
:2703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:900
:2705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:960
:2772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:780
:2774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:840
:2782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:1080
:2788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:1260
:2790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:1320
:2810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:1920